

*AMENDMENTS TO THE ABSTRACT*

Replace the Abstract with:

ABSTRACT

~~An object of the present invention is to obtain a plasma-generation power supply device that is capable of driving with a power factor as high as possible in a maximum-rated condition and of keeping stable operation even when the applied power is varied.~~ A plasma-generation power-supply device of the invention includes a transformer-(TR) connected to an alternating-current power-supply-(PS), a rectifier (RE) connected to the transformer-(TR), an inverter-(IV) connected to the rectifier (RE), a reactor-(FL) inserted in series in the a power line of an ozonizer-(1) that is supplied with power from the inverter-(IV), and a controller-(CT) that controls the inverter-(IV). The controller-(CT) detects the current flowing to the ozonizer-(1) with a current detector-(DT) and provides a control to keep constant the applied that keeps power applied to the ozonizer-(1) constant.